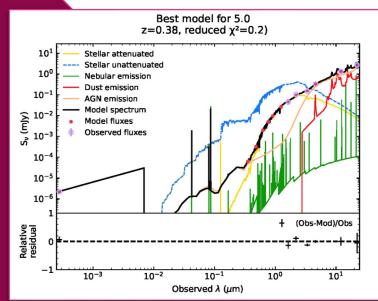XMM2ATHENA

Silvia Mateos

Organization: Instituto de Física de Cantabria (IFCA)
Position: Associate Professor

Best model for 5.0
z=0.38, reduced χ²=0.2)

My scientific activity has focused on the identification and study of actively accreting super-massive black holes -active galactic nuclei (AGN)- at cosmological distances, mainly through studies at X-ray and mid infrared wavelengths. I have extensive experience in the scientific analysis of spectroscopic and photometric observations carried out over a broad range of wavelengths, from the largest generation observatory class X-ray missions, ESA's XMM-*Newton* and NASA's Chandra, and from data taken with instruments on many large class ground-based telescopes.

I have led a large international survey programs aimed to reveal and study the most highly obscured AGN phenomenon using observations from XMM-*Newton* and NASA's Wide-Field Infrared Survey Explorer and over 500 hours of UV/optical spectroscopy that I obtained as principal investigator at large class optical telescopes both in Chile and Spain. I have contributed to the assessment study report of ESA's mission "Advanced Telescope for High Energy Astrophysics" (Athena) and I am member of two working groups of Athena ("Formation and growth of the earliest SMBH" and "Understanding the build-up of SMBH and galaxies").

In XMM2Athena my activities are focused on providing advice on the analysis of the X-ray spectroscopic observations of XMM-*Newton* and on the scientific exploitation of the results.